

NEWS
BULLETIN

समाचार
पत्रिका



NEPAL GEOLOGICAL SOCIETY

नेपाल भौगर्भिक समाज

(स्थापना २०३७ साल, सन् १९८०)

Volume 4 1986 December (Poush 2043) Number 1

Published by

NEPAL GEOLOGICAL SOCIETY

P. O. Box 231, KATHMANDU, NEPAL

Nepal Geological Society

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1986-88

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(1984-86) Department of Mines & Geology

Journal & News Bulletin
of
Nepal Geological Society

Regd. No. 1/042-43

Contents

EDITORIAL BOARD	Page
Editor-in-Chief	Editorial
J. M. Tater	NGS News —5
Deputy Editor-in-Chief	Historical Earthquakes of Nepal
N. B. Kayastha	-G. R. Chitrakar, M. R. Panday —7
Managing Editor	Active Tectonics of Northern Pakistan
S. B. Shrestha	-Implications for Nepal -Robert S. Yeats —9
Members:	New Members of NGS —11
B. N. Upreti	Life Members —13
K. R. Poudyal	Participation in Training Programme —15
M. R. Pande	Participation in Seminar/Conference/Work Shop —15
R. K. Aryal	International Calender —17
T. P. AdhiKary	Congratulations/Best Wishes —17
	Auditor's Report —19
	सचिवबाट द्वय वार्षिक प्रतिवेदन —23
	छलफल तथा निर्णयहरू —25

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EDITORIAL

On the auspicious occasion of the 42nd birthday of His Majesty King Birendra Bir Bikram Shah Dev, the Nepal Geological Society is pleased to bring this number of its News Bulletin to its readers. The society takes this opportunity to express its sincere wishes to His Majesty for a happy, long and prosperous life.

This number contains articles and informations related to the Society during the past years. A new Executive Committee of the Society was elected in September, and a farewell/welcome dinner was addressed by Honorable Vice-Chancellor of Royal Nepal Academy of Science and Technology (RONAST), Dr. Ratna Shumsher Rana. On that occasion the chief guest pointed out that in the present context the professional organizations should not limit their activities to the local context only but should widen them on a broader scale.

The Society has gained further strength: its total number of membership exceeds 153, out of which 67 are Life Members. This issue also contains lists of new members, members who became Life Members from the fiscal year 042/43, and Life Members whose membership-type were in advertently misprinted in the previous issue.

The Society has been increasing its international contacts with other geological organizations to help widen exchange of ideas. It feels delighted in its achievements, and expects more and more contributions from its members and well-wishers. The Society also extends its Best Wishes for a Happy New Year (1987), to all its members and readers.

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EDITORIAL

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KATHMANDU NEPAL

NGS News

1. Since the tenure of the Executive Committee of Nepal Geological Society was going to be over on August 31, 1986 an election sub-committee was constituted under the chairmanship of Mr. Y. L. Singh on 13. 7. 1986 in accordance with the Constitution of NGS. The election sub-committee called for the nomination papers to be filed in for seven different executive posts of the Nepal Geological Society. In response to the call there was one contestant each for each of the seven posts, except for that of the President. The election for the post of the President was held between Mr. Vinod Singh Chhetri and Dr. Chandra Kanta Sharma on 25. 8. 1986. Mr. Vinod Singh was declared elected.

The newly elected executive committee members are as follows:

Mr. V. Singh	President
Mr. U. M. Pradhan	Vice President
Mr. S. B. Shrestha	Secretary
Mr. U. B. Pradhananga	Joint-Secretary
Mr. P. M. Pradhan	Member
Mr. R. R. Sharma	Member

2. The outgoing Executive Committee called for an annual general body meeting on 31. 8. 1986, in the auditorium

of DMG. Of the members present in Kathmandu, about 75% participated actively in the meeting. As usual, the Secretary and the Treasurer presented their annual reports. The Secretary also threw light on the overall activities of the Society during the last two years, and the Treasurer covered the financial aspects.

After the presentation of the reports, a lively discussion followed. It covered different aspects, such as, the proposal on the division of 'Geology Group' into several sub-groups of HMG Civil Service, and about problems related to the award of founder membership etc. During the discussion, the members showed a wide difference of opinion, especially concerning the proposal on division of 'Geology Group' into several sub-groups. Hence, a sub-committee was formed under the Chairmanship of Mr. G. S. Thapa to present a report on that topic.

3. To keep up the tradition of Nepal Geological Society, a biannual dinner was organised on 13th October, 1986 in Hotel Blue Star, Thapathali, Kathmandu. Dr. R. S. Rana, Vice-Chancellor RONAST, graciously presided over the

function as the Chief guest. The function was initiated with a welcome speech by the former President of the Society Mr. N. B. Kayastha, followed by an introduction of the new executive body and a speech after that was delivered by the Chief guest, Dr. R. S. Rana. In his speech he suggested that the professional organizations should not only limit their activities to the local context but should widen them on a broader scale. He pointed out that RONAST in its turn, is considering to extend further its cooperation with professional organizations. On that occasion, the newly elected President Mr. V. Singh Chhetri, stressed that the geologists should also shoulder responsibility to find a meaningful use of geological sciences in context to providing security to the people from natural hazards (landslides, floods, earthquakes). This would be in due accordance to the directives of His

Majesty the King to provide security to the people in the course of attaining as Asian Standard of development by the year 2000.

4. As per the constitution of the NGS, newly formed Executive Committee nominated Mr. J. N. Shrestha as its member on 4. 7. 2043.

Subsequently, the Executive Committee reconstituted the Editorial Board to facilitate the timely editing and publication of the Society's Journals and News Bulletins. The members of the Editorial Board are as follows:

Mr. J. M. Tater	Editor-in-Chief
Mr. S. B. Shrestha	Managing Editor
Dr. B. N. Upreti	Member
Mr. K. R. Paudyal	„
Mr. M. R. Pande	„
Mr. N. B. Kayastha	„
Mr. R. K. Aryal	„
Mr. T. P. Adhikary	„

The superior man is distressed by the limitations of his ability; he is not distressed by the fact that man do not recognize the ability he has.

-Confucius

Historical Earthquakes of Nepal

G. R. Chitrakar*

M. R. Panday

Human civilization has suffered a lot from earthquakes. Prediction of earthquakes has always become a challenge to earth scientists. Information based on instrumental recording of earthquakes is available only for the current century. On the other hand a scientific approach to understand the periodicity of big earthquakes in time and space can be made only if the earthquake records are available for a sufficiently long period of human civilization. Historical seismicity is that key portion of the earthquake records which fills the gap up to the instrumental recording and has become a most necessary key information in the study of the seismicity and geology.

The first source of historical seismicity is the historical documentation of earthquakes which is preserved in different forms such as written history, chronicles, inscription etc. A lot has to be still done in Nepal in the study of historical earthquakes. Historical seismicity should allow the seismologist to locate the event and assign a possible magnitude to it. Therefore such informations are desirable to throw light on extent and degree of damage in addition to the chronological date of occurrence of the events.

The following table shows the historical earthquakes in Nepal which could be compiled from published books and articles.

Date	Lat N	Long E	Location	Magnitude	Intensity
1255 AD					X
1408 AD					X
1681 AD					IX
1810 AD					IX
26/8/1833	28.0	85.0	Trishule	7.0	X
4/10/1833	27.0	85.0	Kalaiya	7.0	IX
18/10/1833	27.0	84.0	India	7.0	VIII
23/05/1866	27.7	85.3	Kathmandu	7.0	X
15/01/1934	26.5	86.5	Bihar-Nepal Border	8.3	IX-X

* Geologist, Department of Mines & Geology, Senior Seismologist, D. M. G.

The earthquake of 1255 ADD (Nepal Sambat 375) has been reported to occur during the regime of King Abhaya Malla (1216-1255 AD). Many houses and temples collapsed killing one third to one fourth population of the valley.

The reported earthquake of 1260 AD (NS 380) is not kept on the above table due to confusion regarding its date of occurrence. The earthquake has been reported during the period of King Jayadev but the chronicle shows the period of King Jayadev to be 1255-1258 AD and no earthquake is reported to occur during the period of king Jaya Bhimdev (1258-1271).

Again there is some confusion regarding the earthquake of 1408 AD (N. S. 528) which has been reported to occur during the period of King Shyam Singh, son of King Shakti Singh Dev. This period seems to correspond to the period of King Jayasthiti Malla. However Shakti Singh Dev and his son Shyam Singh seem to be the Chieftains of eastern sector of Kingdom (Banepa, Chautara etc) under Jayasthiti Malla and had a greater influence in that part of the country. Probably Chinese chronicle marked this period as the period of King Shyam Singh (Historian Mr. Pant, Pers. Comm.) Many temples including Matshendra Nath Temples at Patan collapsed. Cracks and fissures are also reported to occur.

Next earthquake of 1681 AD which has been reported to occur during the period of King Nibas Malla caused many houses to collapse. Some destruction and casual-

ties have been reported to occur on 1810 AD (N. S. 930) earthquake also.

Of all those reported historical earthquakes, only the last one of 1934 AD seems to have more or less a satisfactory documentation of destruction and intensity. Some information on destruction due to 26/8/1833 event is available for Kathmandu Valley but information is lacking in other parts of Nepal. This again gives an ambiguity in the epicentral location of this 26/8/1833 event. For other events informations are very scanty and do not allow an inambiguous location and magnitude assignment.

Research works in historical seismicity should draw the attention of historians, social scientists, geographers, geomorphologists, geologists, geophysicists, and lastly but not the least, the attention of seismologists.

References:

- 1) Chandra, U., Seismicity, Earthquake mechanism and tectonics along the Himalayan mountain range and vicinity, Physics of the Earth and Planetary Interiors 16, 109-131 (1978)
- 2) Dunn, J. A. et al, The Bihar-Nepal earthquake of 1934, Geol Survey India Mem. 73, 1939
- 3) Rana, Maj. Gen. Brahma Sumsher J. B., Nepalko Maha Bhukampa (The Great Earthquake of Nepal), 1935
- 4) Regmi D. R. Medieval Nepal, Part I, 1st edition 1965
- 5) Wright D., Vamsavali (Translation in English), Cambridge, 1877, Second edition 1960

Active Tectonics of Northern Pakistan-Implications for Nepal

-Robert S. Yeats*

West of the Kashmir syntaxis, the Himalayan Range turns west-southwests to form the Salt Ranges, Potwar Plateau, and other ranges of the northwestern Himalaya of Pakistan. The front of the Salt Range is marked by a north-dipping, late Quaternary thrust fault which brings Phanerozoic strata, including the Siwaliks, over the Indian shield along a decollement thrust fault following Eocambrian evaporites. The western Salt Range is bounded by a right-slip tear fault at the Indus River re-entrant; this tear fault may be seismically active. Thrust faulting at the range front post-dates the youngest Siwalik strata of 0.4 m. y. age as dated by magnetic-reversal stratigraphy, fission-track ages of ash beds, and vertebrate fossils. Growing anticlines in the Salt Range and the Potwar Plateau to the north are characterized by fluid pressures greater than hydrostatic in the Siwalik and Murree molasse, but not in underlying Eocene and older strata.

In the northern Potwar Plateau near Rawalpindi, folding and thrusting occurred between 1.8 and 2.1 m. y. ago, as calibrated by magnetic stratigraphy. Farther north, in the Peshawar and Campbellpore intermontane basins, folding predates the deposition of basin-fill deposits which are dated by magnetic stratigraphy and by fission-track dates of ash beds as 0.5 to 2.6 m. y. old. The Murree molasse of middle Tertiary age is involved in thrusting. Active faulting along the southern margin on the Peshawar basin may be strike slip, in contrast to the earlier southward-verging thrust faults of that area. Thus the Peshawar intermontane basin began to form while the Siwaliks to the south were still being deposited and before the Salt Ranges were thrust southward over the Punjab plains. Thrust faults are younger from north to south.

The case history in Pakistan has the following implications for the Himalaya of

* Department of Geology, Oregon State University, Corvallis, Oregon 97331 - 5506 U.S.A.

India and Nepal: (1) Southward-verging thrusting may be younger from north to south, with the Himalayan Frontal Thrust of T. Nakata the only active south-verging thrust. (2) Active faulting may be present in the interior of the Himalaya. These faults should not necessarily be modern continuations of the MBT or MCT, but they may follow these older zones of weakness. (3) Active folding may produce fluid overpressures in the Siwaliks, and this problem should be taken into consideration in planning exploratory drilling for hydrocarbons in the Siwalik Hills and the Terai. (4) Intermontane basins such as the Kathmandu basin may contain faulted and folded sediments equivalent in age to the upper Siwaliks, and faults in these basins may be seismically active.

T. Nakata demonstrated that only the Himalayan range front thrust follows the pattern of southward-verging thrusts characterizing the Nepal Himalaya. Faults occupying the older MBT and MCT commonly exhibit strike slip or north-side-down displacement. M. Yoshida showed by magnetic stratigraphy that the Lukundol Formation filling the Kathmandu basin is in part Pliocene, presumably equivalent in age to part of the upper Siwaliks to the south. Work of M. R. Dhital, T. Nakata, and others reveals possible active faults following older northwest structural trends at the southern edge of the Kathmandu basin. These faults may be key to understanding the damaging earthquakes that have struck the Kathmandu Valley in the past.

Heartiest Felicitations
for a Long and Prosperous Life
on the occassion of the
42nd Auspicious Birthday of
His Majesty King
BIRENDRA BIR BIKRAM SHAH DEV

NEPAL ORIND MAGNESITE (P) LTD.

New Member of NGS

NGS Congratulates the following new members for receiving the membership of the Nepal Geological Society.

- LM - 138 - Steven William Roecker : M. I. T. Room 54-716 Cambridge MA 0239, U.S.A.
M - 139 - Narayan Singh : Civil Aviation Department, Babar Mahal, Kathmandu, Nepal.
M - 140 - Jayakar Gauchan : Ministry of Panchayat and Local Development, Babar Mahal, Kathmandu, Nepal.
M - 141 - John Cox : Mount Royal College, Calgary, Alberta, Canada.
M - 142 - Tek Raj Pant : Department of Mines & Geology, Lainchaur, Kathmandu, Nepal.
M - 143 - S. B. S. Kansakar : Ground Water Project, Babar Mahal Kathmandu, Nepal.
LM - 144 - A. K. Duwadi : Department of Mines & Geology, Lainchaur, Kathmandu, Nepal.
M - 145 - Danial Jenkins : Star Route 2, Tupper Lake, N. Y., U.S.A.
M - 146 - Indra Lal Jwarchan : Department of Mines & Geology, Lainchaur, Kathmandu, Nepal.
LM - 147 - Yuji Maruo : 4-8, Yamana - Cho, Fukuroishi, Shizuoka, Japan.
LM - 148 - Clyoe T. Hardy : Department of Geology, Utah State University, Logan, Utah 84322-0705, U.S.A.
LM - 149 - Frederic Snider : Ebasco, 2211 West Meadowview Rd. Greensboro, North Carolina, U.S.A.
M. - 150 - Dr. G. Poretti : Dept. of Mathematical Science, University of Trieste Piazzale Europa No. 1 34100 TRIESTE, ITALY.
M - 151 - Mrs. Rama Shrestha : Ground Water Project, Babar Mahal, Kathmandu.
LM - 152 - Poulin M. Rock : 740 Notre Dame West, Montreal, Canada.

Note : Serial number corresponds to registration number, whereas code letters denote Type of Membership :

LM - Life Member

M - Member

AM - Associate Member,

हरेक किसिमको पाल (टेन्ट), त्रिपाल, वर्षादी,

डफ्लर ब्याग, रूकस्याक, आदि किसिमको

सामानहरूको लागि सम्झनु होस् !

मन्सु इण्डष्ट्रिज (प्रा०) लि०

पाटन औद्योगिक क्षेत्र, पाटन

फोन: ५-२२२०२


**Industrial Rocks
&
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RAJA BHAI BAJRACHARYA

Eng. Geophysicist

M. Sc. Geology

284 Paknajol
Kathmandu - 15
NEPAL

 : 213789

Life Members

It is a pleasure to announce that the following members have upgraded their membership to Life Membership from the fiscal year 2042/43 (1985/86):

- LM - 12. D. B. Thapa
- LM - 19. G. Nakarmi
- LM - 24. J. M. Tater
- LM - 28. G. S. Thapa
- LM - 47. P. M. Pradhan
- LM - 76. S. R. Sharma
- LM - 93. Monique Fort
- LM - 95. A. Pecher
- LM - 104. N. D. Maskey
- LM - 125. Allen Bassett.

We regret for misprinting of code nos. of the following members as published in the previous News Bulletin (Vol. 3, No. 1 & 2). It should have been printed as follows:

- M - 38. R. K. Shrestha
- LM - 57. C. K. Chakravarty
- LM - 77. H. Sakai
- LM - 87. Mitsuo Yoshida
- LM - 88. A. H. G. Mitchell
- M - 120. Gray White
- LM - 121. Yamada Tetsuo
- LM - 131. Gerhard Niedermayr.

OBITURY

Nepal Geological Society express its heart felt condolences on the sad demise of our life Member Yamanaka Hidetsugn.

Best Wishes and Happy Birthday



Our Beloved King

BIRENDRA BIR BIKRAM SHAH DEV

from

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Participation in Training Programme

Nepal Geological Society congratulates the following members on their completion of Diploma or training or research courses recently in various countries and wishes further success in their professional career.

<u>Name</u>	<u>Subject</u>	<u>Country</u>
1. R. B. Bajracharya	Geophysical Methods	India
2. P. Gautam	Exploration Geology	Thailand
3. U. B. Pradhananga	Photogeology	The Netherlands
4. R. R. Shakya	"	"
5. M. P. Sharma	Petrology & Geochemistry	Japan
6. R. R. Sharma	Petroleum Management	U. S. A.

Participation in Seminar/Conference/Workshop

Here is a list of NGS members, who have recently participated in Seminar/Conference/Workshop:

<u>Name</u>	<u>Topic</u>	<u>Country</u>
1. B. D. Shrestha	Watershed Resources Soil & Water Conservation	Philippines
2. D. R. Kansakar	Metallic Deposit Modelling	Philippines
3. J. M. Tater	Mineral Fertilizer	Thailand
4. M. P. Dhungyal	Geophysics	Philippines
5. M. R. Pandey	Regional Seismic Net work	Burma
	Comparison of Active Faults	China
6. N. B. Kayastha	Petroleum Exploration	Thailand
7. P. K. Mool	Remote Sensing	USSR
8. R. B. Bajracharya	Teraloc Seismograph	Sweden
9. T. P. Adhikary	Crustal Movements	Japan
	Remote Sensing	USSR
10. U. B. Pradhananga	Mineral Fertilizer	Thailand

पञ्चायतको चाहना

शान्ति र सृर्जना



पञ्चायत रजत जयन्तीको उपलक्ष्यमा

समस्त देशवासीहरूमा

हार्दिक शुभ-कामना व्यक्त गर्दछौं ।

रजत जयन्ती समारोह समिति

काठमाडौं ।

International Calender

Dec. 15 - 20, 1986 : The Role of Geology in Urban Development in South East Asia, Hong Kong.

Jan. 3 - 8, 1987 : 6th Indian Geological Congress, Rorkee, India.

Mar. 7 - 15, 1987 : International Work-shop on Estimation of Natural Recharge of Ground Water, Anatolia, Turkey.

Congratulations

Nepal Geological Society congratulates to its member Dr. R. M. Tuladhar for receiving the Doctor of Philosophy Degree in Economic Geology, awarded by the Montan University, Leoben, Austria. His thesis is entitled "Stratabound Mineralization in Greenschist and Amphibolite Facies Terrain: Bamangaon Area, Dandeldhura, Nepal and Abfaltersbach Eastern Tirol, Austria".

Best Wishes

Following members of NGS have left recently for further Degree/Diploma/Training Courses abroad. NGS wishes them success in their study.

<u>Name</u>	<u>Subject</u>	<u>Country</u>
1. B. L. Shrestha	Engineering Geology	The Netherlands
2. M. R. Dhital	Mineralogy & Petrology	Japan
3. N. R. Shrestha	Petroleum Exploration	Norway
4. P. Gautam	Palaeomagnetism	Japan
5. P. B. Karki	Engineering Geology	U. K.
6. P. M. Shrestha	"	Thailand
7. R. B. Shrestha	Geology	U. S. A.
8. S. B. K. C.	Petroleum Exploration	Norway.

***The aim of the poet is to reveal the life within things,
the soul within matter.***

-Rabindranath Tagore

Heartiest Felicitations for
A Long and Prosperous Life
on the occasion of the
42ND AUSPICIOUS BIRTHDAY
of
HIS MAJESTY KING
BIRENDRA BIR BIKRAM SHAH DEV
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Auditor's Report

Kha 2/627, Adhoiet Marg
Bagbazar, Kathmandu
Date: 15th Bhadra 2043

THE MEMBERS
NEPAL GEOLOGICAL SOCIETY
Kathmandu.

Gentlemen,

I have audited the attached Balance Sheet as at 9th Bhadra 2043 and the Income and Expenditure accounts for the year 16th Bhadra 2041 to 9th Bhadra 2043 and report as follows:

1. Only the amount of Rs. 3,265. - for subscription that is included in the Income and Expenditure account, is collected from the Society's members during the year but it is unknown. The total outstanding amount of subscription is remained to be received in the past years.
2. Cash balance of Rs. 156. 60 is found short.
3. Cash book and vouchers as required are not maintained.

On the basis of above mentioned remarks I certify as follows:-

- a. I have got satisfactory answer about questions asked during the time of audit.
- b. The attached balance sheet and the Income & Expenditure accounts are properly drawn up in accordance with the prevailing Law.
- c. According to the information given to me, the attached balance sheet as at 9th Bhadra 2043 and the income and expenditure account prepared for the year 16/5/2041 to 9/5/2043 exhibit true and fair view.

Nepal Geological Society

BALANCE SHEET

As at 9th Bhadra, 2043

15. 5. 041	Liabilities	9. 5. 043	15. 5. 041	Assets	9. 5. 043
	Accumulated Fund:-				
37,462. 60	Balance from last	37,462.60	2,278. 10	Cash in hand	4,443. 22
	Add Excess of		27,234. 50	Cash at Current a/c	25,998. 76
	Income over exp.	29,589.46	-	Cash at Fixed a/c	18,500. 00
	Outstanding creditor	67,032.06	8,500. 00	Debtors:-	
				Balance from last yr. 8,500.00	
500. 00	Audit Fees	400. 00		Outstanding Subscrip. 5,400.00	
50. 00	Subscrip. for 043/44	580. 00		Journal 5,190.08	19,090. 08
38,012. 60		68,032.06	38,012. 60		68,032. 06

Income & Expenditure Account of NEPAL GEOLOGICAL SOCIETY

For the year - 16th Bhadra 041 to 9th Bhadra 043

Last yr. Rs.	Expenditure	This yr. Rs.	Last yr. Rs.	Income	This yr. Rs.
18.50	Transportation/Taxi Fare	142.00	7,600.00	Entrance & Subscription fees:-	
284.00	Postage & Telegram	1,806.70		i) Against for last yr.	3,265.00
-	Fuel	109.00		ii) During the yr.	16,995.00
293.50	Refreshment & hospitality	3,017.00		iii) Accrued outstanding	5,400.00
3,580.00	Stationery & printing of Journal			Sales of Journal	
175.00	Renewals	27,316.00	2,017.00	i) Cash received	12,434.08
150.00	Donation	400.00	-	ii) Credit	5,190.08
500.00	Audit fees	20.00	-	Donation	11,822.00
-	Remuneration	400.00	-	Advertisement	8,750.00
-	Misc. expenses	652.00	-	Discount Received	100.00
6,615.20	Excess of Income over Expenditure	504.00			
		29,589.46			
11,617.00		63,956.16	11,617.00		63,956.16

Report & Payment Account for NEPAL GEOLOGICAL SOCIETY

For the year - 16th Bhadra 041 to 9th Bhadra 043

To opening balance:-		
2 Cash at bank	27,234.50	142.00
Cash in hand	2,278.10	1,806.70
.. Subscription fees		109.00
.. Sales of Journal		3,017.00
.. Advertisement		27,316.00
.. Donation		400.00
.. Entrance fee		20.00
		400.00
		652.00
		504.00
		25,998.76
		18,500.00
		4,443.22
		83,308.68

83,308.68

सचिवबाट प्रस्तुत द्वय वार्षिक प्रतिवेदन

यस नेपाल भौगर्भिक समाजको (०४२।०४३) आजको साधारण सभामा यहाँ उपस्थित सर्व सदस्य साथीहरूलाई म हार्दिक स्वागत गर्दछु । सर्व प्रथम म भरखरै सम्पन्न भएको निर्वाचनबाट आउंदो कार्य-कालको लागि विभिन्न पदमा निर्वाचित नयाँ कार्य-कारिणी सदस्य साथीहरूलाई हार्दिक धधाई ज्ञापन गर्दछु । सो निर्वाचन कार्य राम्ररी सम्पन्न गरी का. का. स. लाई मद्दत पुऱ्याउनु भएका निर्वाचन उपसमितिका अध्यक्ष तथा सदस्यहरूलाई पनि धन्यवाद दिन चाहन्छु ।

आज मलाई यहाँ समज समाजले हाम्रो कार्या-कालमा गरेका विभिन्न गतिविधि वारे छोटो प्रतिवेदन पेश गर्न पाउँदा खुशी लागेको छ । अहिले हामी समाज स्थापना कालको आठौ वर्षमा प्रवेश गर्न लागेका छौं । यो अवधि लामो देखिएतापनि समाज-को उन्नति र क्रियाकलापको लागि छोटो नै हो भनेमा अतिरिक्ति नहोला । मलाई लाग्छ सिमित साधन तथा केही सदस्य साथीहरूबाट शुरू भएको यो हाम्रो समाजले बिगत वर्षमा जे जति सक्थो र गर्दछ त्यो पनि कम होइन । यसरी बितेका दुई वर्षमा समाजको विकास तथा यसलाई क्रियाशील बनाउनमा विभिन्न कार्यहरू गरिएका थिए । यी मध्ये समाजको प्रशासकीय कार्यमा सुधार, सदस्यहरूलाई रजिष्ट्रेशन प्रदान गर्ने कार्य, जर्नल तथा बुलेटिनको दर्ता र सो

को समयमा नै प्रकाशन, सदस्यहरूको अध्यापनको व्यवस्था भूगर्भ सम्बन्धि प्रवचन तथा नयाँ सदस्यता सम्बन्धि कार्यहरू उल्लेखनीय छन् ।

प्रशासकीय कार्य सुधार तर्फ समाजले आफ्नो कार्यको लगत राख्ने उद्देश्यले चलानी तथा दर्ता प्रणाली गत साल देखिने शुरू गरी लगत राख्ने प्रक्रिया अपनाइयो । यसरी नै हरेक सदस्यहरूलाई प्रवेश मितिको गणनानुसार रजिष्ट्रेशन प्रदान गरी सो को लिष्ट समाजबाट प्रकाशित बुलेटिन भोलम ३, नम्बर १ र २ मा प्रकाशित भएको सर्व सदस्य साथी-हरूलाई अवगत नै होला ।

जर्नल तथा न्यूज बुलेटिन प्रशासन तर्फ हाम्रो कार्यकलापमा चार अंकहरू प्रकाशित गर्नु पर्नेमा तीन अंकका प्रकाशन पूरा गरी, भोलम ४ नं. १ हाल प्रेसमा प्रकाशनको तयारीमा छ । यसरी हामीले सफलतापूर्वक जर्नल प्रकाशन कार्यलाई अगाडी बढायौ भने यसपछि आउने अंकहरूको लागि लेखहरूको ठूलो कमी महशुस गरिएको छ । तसर्थ म यहाँ उपस्थित सर्व सदस्य साथीहरूलाई आफ्नो वैज्ञानिक कार्यको उपलब्धी वारे लेख लेखि जर्नल प्रकाशनमा सहयोग पुऱ्याउनको साथै नेपाली भूगर्भ विदहरूको प्रतिभा बाहिरी जगतलाई चिनाउन आवश्यक भएकोले सबै सदस्य साथीहरूलाई आफु सक्दो सहयोगको लागि अनुरोध गर्दछु ।

पेशागत विकासमा मद्दत पुऱ्याउने उद्देश्यले गत वर्ष राजकीय विज्ञान तथा प्रविधि प्रतिष्ठान तथा आई० जि० सी० पी० राष्ट्रिय समिति मार्फत केही छात्रवृत्ति प्राप्त गरी समाजका दुई सदस्यहरू क्रमशः श्री ऋषिराम शर्मा तथा श्री राजाभाई बज्राचार्यलाई देहरादून तथा हैदराबाद पठाइएको थियो । यस कार्यमा हामीलाई सहयोग पुऱ्याउने नेपाल राजकीय विज्ञान तथा प्रविधि प्रतिष्ठान तथा आई.जी.सी.पी राष्ट्रिय समितिलाई भन्ने धन्यवाद ज्ञापन गर्दछु । यस किसिमको छात्रवृत्ति उपरोक्त निकायहरूबाट निरन्तर रूपमा प्रदान हुदै आउने अपेक्षा राख्दै भविष्यमा अरु सदस्य साथीहरूलाई यस किसिमको सेवा पुऱ्याउन सकिएला भन्ने आशा राख्दछु ।

सदस्य साथीहरू बीच भौगोलिक ज्ञानको आदान प्रदान होसभन्ने हेतुले हामीले समय समयमा नेपाल भ्रमणमा आउनु भएका भूगर्भ विदहरूबाट प्रवचनको व्यवस्था पनि गरेका थियौ । यस कार्यक्रममा विभिन्न विद्वानहरूले निम्न विषयमा प्रवचन दिनु भएको थियो ।

- (१) प्रोफेसर के. एस. वाल्डिया जियोलजि अफ द क्रुमाउ हिमालय
- (२) डा. नर्मल पेज-स्पेटिनम ग्रुपस अफ मिनरलस
- (३) डा. पिटर मोलनार-नियोटेक्टोनिस्स अफ साउथ ईष्ट एशिया
- (४) प्रो. भि. डी. चौवे-रिसेन्ट डेभलपमेन्ट इन् इन्जिनियरिङ्ग जियोलजि
- (५) डा. मासाह योसिदा-एनटार्टिक जियोलजि एण्ड प्रि-क्याम्ब्रियन गोन्डवानालेण्ड

सदस्यताको सन्दर्भमा गत दुई वर्षको अवधिमा

आजिवन सदस्यहरूको संख्या ३१ बाट बढी ६१ भयो भने कूल सदस्य संख्या १३५ बाट बढी १४६ हुन गएको छ । यसरी समाज प्रति आस्था तथा श्रद्धा राख्ने नयाँ सदस्यता हासिल गर्नु भएका समाजका नयाँ सदस्यहरूलाई बधाई दिन चाहन्छु ।

सदस्य साथीहरू, हामीले गत वर्ष परिचय पत्रको व्यवस्था गर्ने भनी अवगत गराएकोमा सो परिचय पत्र छिट्टै वितरण गर्ने आशा राखेका छौ । सो परिचय पत्र निम्न अनुसारको व्यवस्था गरी वितरण गर्ने जानकारी यहाँहरूलाई गराउन चाहन्छु । समाज स्थापनाको लागि मुलमा गरिएका प्रथम तीन सभाहरू मध्ये कुनै एक सभामा संलग्न रही समाज प्रति आस्था तथा श्रद्धा राख्ने समाज स्थापना गर्ने सहयोग पुऱ्याउने सदस्यलाई फाउण्डर मेम्बर, आजिवन सदस्यता शुल्क प्रदान गर्नेलाई लाइफ मेम्बर तथा साधारण शुल्क प्रदान गर्नेलाई मेम्बर भनि अंकित गरेको परिचय पत्र प्रदान गर्ने व्यवस्था गरिएको छ । आसोसियट मेम्बरको हकमा पनि आसोसियट मेम्बर भनि परिचय पत्र दिने व्यवस्था गरिएको छ ।

गत वर्षको साधारण सभामा समस्याहरू भनि हामीले दुई वृद्धाहरू अग्रित्वमा थियो ।

- (१) आजिवन सदस्यहरूको सदस्यता शुल्क वृद्धि सम्बन्धमा र दोश्रो जियोलजि समूहमा उप-समूह सम्बन्धि ।-

१) वृद्धा १ मा उल्लेखित आजिव सदस्यको सदस्यता शुल्क रु. ५०००/- बाट रु. ७५००/- बढाउनु पर्ने भनि का. का. स. बाट प्रस्ताव राखिएकोमा सो प्रस्तावमा सदस्य साथीहरू बीच मत भिन्नता आई निस्किएको लागि

सदस्य श्री आमोद मणि दिक्षितको अध्यक्षतामा कमिटी गठन गरी सो वारे प्रतिवेदन पेश गर्ने भनि साधारण सभामा निर्णय भए अनुसार कमिटी गठन गरियो । तर उक्त कमिटीबाट यस सम्बन्धमा हाल सम्म प्रतिवेदन प्राप्त हुन नसकेको व्यहोरा जानकारी गराउँछु ।

- २) वृत्ता २. को सिलसिलामा जियोलजि समूहमा उपसमूहको आवश्यकता वारेको प्रतिवेदन उक्त कमिटिका अध्यक्ष श्री तारा प्रसाद अधिकारीज्यूले आज नै सबै सदस्यहरू समक्ष पेश गर्नु हुनेछ ।

यसरी यस दुई वर्षको अवधिमा विभिन्न कार्य सम्पन्न गरिएतापनि समाजको उत्थातको लागि अझै निकै काम गर्न बाँकी नै छ र यो निरन्तर चलिरहने प्रक्रिया हो । हाम्रो समाजको जग अब एक भजवूत आधारमा खडा भई सकेको विश्वास गर्दछु र यसलाई अझै सुध्दिकरण गर्ने कार्य अब आउने कार्यकारीणीको कांघमा परेको छ । मलाई विश्वास लाग्छ कि आउंदो कार्यकारिणीले समाजको हितमा गर्ने जुनसुकै कार्यको लागि हामी सदस्यहरूबाट सक्रिय सहयोग पाउने नै छी ।

अनुभवको आधारमा म यो भन्न चाहन्छु कि आउंदो कार्यकारिणी समितिले निम्नलिखित कुराहरूमा विशेष ध्यान दिई कार्य गरेमा समाजको प्रतिष्ठा अझ बढ्ने जान्छ भन्ने मलाई विश्वास छ ।

- १) जर्नल प्रकाशन समाजको एउटा मेरुदण्डको रूपमा रहेकोले सो को प्रकाशन समयमा नै गर्ने र यस्तो प्रकाशनको लागि समय-समयमा

नेपाल राजकीय विज्ञान तथा प्रविधि प्रतिष्ठान तथा आई०जी०सी०पी० राष्ट्रिय समिति संग सम्पर्क राखी काम गर्ने ।

नेपाल राजकीय विज्ञान तथा प्रविधि प्रतिष्ठान वाट प्राप्त हुने सहयोग बढाउनको लागि जर्नल प्रकाशन बाहेक अरु क्रियाकलाप पनि संलग्न हुनु पर्ने देख्दछु ।

- २) अरू संस्थाहरू जसले अप्रत्यक्ष रूपमा हामीलाई विज्ञापनहरूबाट आर्थिक मद्दत गरिरहेका छन् त्यस्ता ईकाइहरूसंग पनि सम्पर्क बढाई सुमधुर सम्बन्ध राख्ने ।

अन्तमा हाम्रो समाजलाई आर्थिक सहायता तथा अन्य किसिमको सहयोग पुऱ्याउने खानी तथा भूगर्भ विभाग, राजकीय विज्ञान तथा प्रविधि प्रतिष्ठान तथा नेपाल आई०जी०सी०पी० राष्ट्रिय समिति लगाएत अन्य संस्थाहरूलाई पनि धन्यवाद दिन चाहन्छु ।

धन्यवाद ।

रमेश कुमार अर्याल

छलफल । निर्णय :

उपाध्यक्ष श्री जेलेन्द्र भक्त श्रेष्ठको अध्यक्षतामा भएको सो साधारण सभामा सचिव तथा कोषाध्यक्षको प्रतिवेदन पछि विभिन्न विषयहरूमा छलफल तथा निर्णय भयो ।

- (१) श्री निरेन्द्रध्वज मास्केले जियोलजि समूहलाई जियोलजि, जियोहाइड्रोलजी, ईन्जिनियरिङ्ग जियोलजि, तेल तथा प्राकृतिक ग्याँस आदि

Best Wishes and Happy Birthday



Our Beloved King

BIRENDRA BIR BIKRAM SHAH DEV

FROM

**Himal Cement Company
(Pvt.) Limited**

चार उप-समूहहरूमा मात्र सिमित राखेकोले सो उप-समूह व्यक्ति विशेषलाई मात्र फाइदा हुने देखिएकोले यी उप-समूहहरू कि त घेरै हुनु पर्‍यो कि त दुई (जियोलाजि र जियो हाईड्रोजली)मा मात्र विभाजित गर्नु पर्‍यो भनि मन्तव्य व्यक्त गर्नु भयो ।

(२) उप-समूह वारे प्रतिवेदन पेश गर्ने श्री तारा प्रसाद अधिकारीले सो उप-समूहको गठन हाम्रो देशमा हाल भई रहेको कामको आधार-मा गरेको हो भनि स्पष्ट पार्नु भयो ।

(३) ग्राउण्डवाटरका जियोलाजिष्टहरूले दुर्गम क्षेत्र-मा गएर काम गर्नु परेकोले बढी नम्बर पाएका हुन् । त्यस्तै खानी तथा भूगर्भ विभाग अन्तर्गत पनि क्षेत्रिय आधारमा कार्यालयहरू खोलेको भए त्यहाँका जियोलाजिष्टहरूले पनि दुर्गम क्षेत्रमा खटिएर गई बढी नम्बर पाउन सक्ने थिए भनि श्री वासुदेव खरेनले आफ्नो मन्तव्य प्रकट गर्नु भयो ।

(४) श्री कल्याणदेव भट्टराईले श्री गोपाल सिंह थापाको अध्यक्षता फेरी सोहि उप-समूह बनाउने वारे उप-समिति गठन गर्नु पर्‍यो भन्ने कुरामा आफ्नो मन्तव्य प्रकट गर्दै, श्री तारा प्रसाद अधिकारीको अध्यक्षतामा गठन गरेको उप-समितिले प्रतिवेदन पेश गर्ने त १ वर्ष लाग्छो भने, अर्को उप-समिति बनायो भने अर्को पूरा एक वर्ष लाग्ने त होला भन्नुभयो ।

(५) हामीले पेश गर्ने उप-समूहको प्रस्ताव कसलाई श्री ५ को सरकारलाई कि? श्री ५ को सरकारका निकायहरूमा पेश गर्ने भनेर श्री कृष्ण मुरारी अमात्यले प्रश्न गर्नु भयो ।

(६) डा. विशालनाथ उप्रेतीले उप-समूह गठन गर्ने विषय-खानी तथा भूगर्भ विभागको मात्र समस्या भयो, यसलाई छुट्टै समाधान गर्ने सकिन्छ । भन्नु भयो ।

(७) श्री गोपालसिंह थापाको अध्यक्षतामा अर्को उप-समिति गठन गर्ने मुझाज सबै सम्पत्तिबाट पास भयो । यसरी गठित उप-समितिमा १) डा. विशालनाथ उप्रेती २) श्री वासुदेव खरेल ३) श्री खगेन्द्र काफ्ले ४) श्री अच्युतानन्द भण्डारी र ५) श्री निरेन्द्रध्वज मास्के समेत राख्ने निर्णय भयो ।

(८) हाम्रो समाजको विधानमा अनेकौं त्रुतीहरू छन् । ती त्रुतीहरू हटाउन विधान संशोधन गर्नु पर्‍यो । सो काम गर्ने विधान संशोधन उप-समिति गठन गर्नु पर्‍यो भनी श्री अच्युतानन्द भण्डारीले माग राख्नु भयो ।

(९) श्री कल्याणदेव भट्टराईले सदस्यता शुल्क नबुझाउने सदस्यहरूलाई माया गर्नु हुँदैन, सदस्यताबाट हटाई दिनु पर्छ भनी आवाज उठाउनु भयो ।

(१०) समाज माथि आस्था नभएका, समाजको सदस्यता शुल्क नबुझाउने सदस्यहरूलाई समाजको विधान बमोजिम हटाउनु पर्दछ भनि सबै सम्पत्तिबाट पारित भयो ।

(११) विभिन्न विभाग, कार्यालयहरूमा कार्यरत जियोलाजिष्टहरूको आपसमा समन्वयन छैन । सो किसिमको समन्वयन कार्य गर्ने एउटा सेमिनार तथा अन्य क्रियाकलाप उप-समिति गठन गर्नु पर्‍यो भनि श्री के. एन. काफ्लेले माग गर्नु भयो ।

Be slow in choosing a friend, slower in changing.

-Benjamin Franklin

Beware of little expenses, because a small leak will sink a great ship.

-Franklin



श्री ५ महाराजा-

धिराज बिरेन्द्र

बीर बिक्रम

शाहदेव

सरकारको ४२औं

शुभ-जन्मोत्सवको

पूनीत उपलक्ष्यमा

दिर्घायु तथा

सु-स्वास्थ्यको

लागि हार्दिक

शुभ-कामना

टक्र्याउँछौं ।

नेपाल भौगभिक समाज



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on the occasion of the

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of

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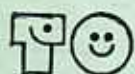


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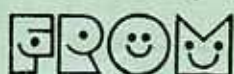




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